

Claims

1. Production of rigid polyurethane foamed plastics from polyols and polyisocyanates, blowing agents and optional foam auxiliary substances, characterised in that the blowing agent is a mixture of 5 to 50 parts by weight of C_3 and/or C_4 alkanes and 50 to 95 parts by weight of cyclopentane.
2. Production of rigid polyurethane foamed plastics according to claim 1, characterised in that the C_4 -alkane is n-butane.
3. Production of rigid polyurethane foamed plastics according to claim 1, characterised in that the C_4 -alkane is isobutane.
4. Production of rigid polyurethane foamed plastics according to claims 1 to 3, characterised in that in addition to the alkane mixture according to the invention, 0.5 to 4 parts by weight of water are used as the co-blowing agent.
5. Production of rigid polyurethane foamed plastics according to claim 4, characterised in that preferably 1.5 to 3 parts by weight of water are used as the co-blowing agent.
6. Production of rigid polyurethane foamed plastics according to claims 1 to 5, characterised in that the polyol component is a mixture of 5 to 80 parts by weight of polyol based on aromatic amines.
7. Production of rigid polyurethane foamed plastics according to claim 6, characterised by preferred use of 20 to 65 parts by weight of polyol based on aromatic amines.

8. A blowing-agent mixture for production of rigid polyurethane foamed plastic, characterised in that the mixture contains 5 to 50 parts by weight of C₃ and/or C₄-alkanes and 50 to 95 parts by weight of cyclopentane.
9. A blowing-agent mixture according to claim 8, characterised in that the C₃ and/or C₄ alkanes therein are n-butane and/or isobutane.
10. Use of rigid polyurethane foamed plastics produced according to any of claims 1 to 9 as an intermediate layer for composite components and for foam filling of cavities in refrigerator construction.

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